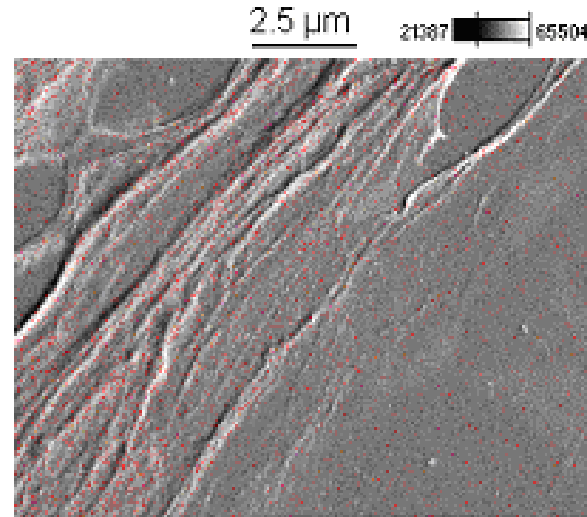


Acquisition of an X-ray microanalysis system with WDS spectrometer for elemental analyses

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Two spectrometers were purchased for determining the composition and distribution of elements within a sample. We have used these spectrometers to determine the distribution of silver in newly designed structures that measure about 20 nm in diameter.



Grey-scale image of nanometer-sized tubes. The red overlay indicates where silver is. In effect, we have created tubes lined with silver, or nanometer – size wires.